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Inaugural dißertation

Oynanche Frachealis

by Sittleton G. Coleman

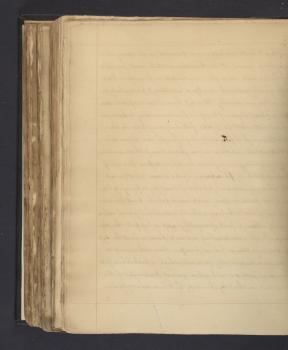
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Cynanche Frachealis

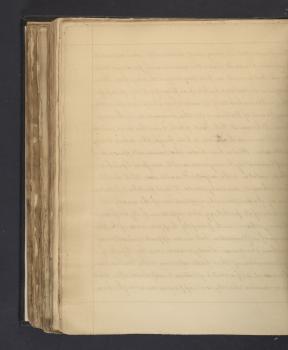
This disease has various appellations applied toil by different author It has been called sufficatio stridula angina tolypone, the popular name is broup or thives, the latter is a corruption of the word heaves. Unquestionably the best nevelogical title is Trachitis. it very manifestly designates the nature of the com plaint & gives uniformity to medical nomenclature & corresponds with Pleuritis Gastritis & all of the other names applied to in flammatory affections. It is considered a disease of modern date Dr Home of Edinburgh is considered the first who described the disease he was the professor of Materia Medica in the univer sity of Edinburgh & the cotemporary of bullen Soynanche Trachealisis for the most part confined to early life occuring generally botween the first & fifth year it sometimes attacks rants in the month I also a dutt subjects, such cases must be considered anomalous deviations. from the common course & nature of the complaint. It appears in some instances to belong to families. It is alledged by some that broup is propa gated by contagion but there is no good reason for such a

supposition. Dr bullen says it very commonly with the ordinary symptoms of a loatarch, but sometimes the peculiar symptoms of the disease show themselves at the very first. He says these pear hiar symptoms are the following a hoarseness, with some shrilings I ringing round both in speaking I coughing, as if the noise come from a brazon tube . at the same time there isosense of pain about the Laryna, some difficulty of respiration with a whizing sound in inspiration, as if the passage of the air wore straitmed the cough which attends it is commonly dry I if any thing be spit up it is a matter of a purelent appearance & sometimes films resembling portions of a membrane, Together with those symp toms there is a frequency of the pulse a restlerness of an uneasy sense of heat. When the internal fouces are viewed, they are sometimes without any appearance of inflammation but fre quently a redness I oven swelling appear I sometimes in the fauces there is an appearance of matter like dethal rejected by eoughing. With the symptoms now described , continues Cullen, & particularly with great difficulty of breathing & a sense of strangling in the fouces, the patient is sometimes taken offsuddenly, broup originales in a moist cold & austere

Amosphere & on this account is more provalent in the spring than in any other season. It has been observed to be most prevalent near the sea coast, where the air is loaded with moisture: But it is frequently met with in inland situations. I particularly in those which are marshy. It is less known in temperate than in the nothern regions of Europe. This disease may be distinguish. ed from scute Athma by the following diagnostics. In the former the cough is frequently ringing in our ears, whereas in the latter there is little or no cough in broup there is seldem or over any remission whoreas in Acute Asthma it is one of the most striking phonomina of the disease I is attended with some evacuation as belching vometing or purging, In broup the pulse is strong with much febrile heat the wine high coloured I the voice shrill I small, in a cute asthm the pulse atthough perhaps equally quick is less full the wine is limped I the voice croaking and deep however great the dyp near the deglutation is free in broup. Tome authors consider the disease as occasionally spidemic which is probably a fact. It was considered as such when general Washington fell a victim to it in the neighbourhood of Alexandra verginia



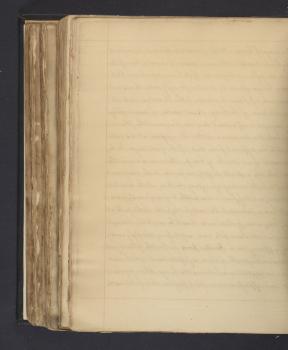
Anno Domini 1799. It is very evident that this complaint is endomial to particular places. It is said the disease is rarely known in Edin burgh but a small sea port town very little way from Edin burgh is so devolated by larrup as to render it almost imposible for the in habitants to raise their children the same may be said of Battimore for the disease is rarely known there . Whoreas at Fell's Point which bears the same relation to Battimore as Lette does to Edin burgh, the disease is very apt to occur. Writers have divided this disease into sparmodic I inflammatory I very considerable discussion has taken place relative to the subject. It would seem that in all cases where it suadenly attacks, it must partake of the nature of spasm. the early symptoms correspond exactly with this view of its pathology and dispections fully confirm it showing where death promptly happens none of the when nomina of inflammation. but un der opposite circumstances or where the disease slowly comes on or is the effect of inflammation of other parts, extending to the tracker, then of course it is of a contrary nature & inspections after death have rovealed exactly such appearances, as might have



been anticipated. Admitting however the above distinction, we are not aware that it leads to any practical diffe. rence. I especially as it relates to the use of emoties. Bone disputes the indispensable necessity of actively putring in the commoncement of an attack of broup whatever theory may be entertained. We always commence with endearowing to womit the child freely & for this purpose the tortarised antimony is decidedly preferable taken at short intervals, as this is one of the most certain & powerfull of all emoties, at the same time we direct the patient to be placed in a warm bath & continued in it for ten or fifteen minutes, this is an highly useful remedy, it rose by fails to promote the operation of the emotie I will indeed sometimes by itself effect a cure of this disease if the ametic however do not operate or its operation has proved ineffectual, then we bleed copiously and afterwards repeat the warm bath I emotie. The disease must be exceedingly obstinate if it do not yield tolhis treatment. Revertheless it occasionally continues with little or no abatement of the symptoms of the disease

in despite of the remedies employed. Under these circumstances we resort to topical bleeding either by leaches or cups & after the inflammation has subsided to eapply a blister or sinapions to the extremities or from one ear to the other. If the preceding remedies fail or if the symptoms are so alarming as to require it, we should bleed and deliquium animi. When pushed to this ex tent venescotion is almost uniformly successful. The moment syncope is produced by venesction the cough hourseness. impeded respiration I feverall totally disappear, the disease being thus broken, which is always sheron by the romoral of the preceding symptoms I still more by the restoration of the sweepte belity of the system to the operation of remedies He administer Calomel not in small & separate does as is generally recommended but in the largest populate dove in order that it may speedily & actively purge in this stage of the disease cracuations from the alimentary canel carry off the linguring symplome of disease obriate reliapser vention a consilorcence but if e ough heavenup light months chest's difficult breathing wixed or main we use the Sonot a as a new fectoral . It is in extinguishing the romains of broup that Sontha displayer to best proporties The practice just montioned is adopted chiefly to the early or

forming stage of birmets. At this period the disease is get confined to that racher and consists ather in a spasmodic constriction of the take or in an inflammatory disease of its lining mombrane But the disease being suffered to continue for eight or ten hours and smetimes over lefs time , it extends to the Bronchia and into the very substance of the lungs. A vast secretion of mucus or phlogm and an ingerged or sufficiated state of the lungs now take place preisely as in Poriproumonia Atha the symptoms at this critic ed functure are different from those of the first stages. In the common common of an attach of broup the voice is house the cough is hard dry and not inaptly compared to the sharp sound of boshing or to the crowing of a young checken at the save time there is more or lefs of fever a considerable degree of anxiety and restimely and an undescribable worlchedness, the child will not remain long in one posture and cannot be completely trangul. lized he whines cries and frets and seems to be exceedingly uneasy without suffering much positive pain but in the following and more advanced stages all of those symptoms exist which indi cate an interrupted circulation in the lungs - these organs hoaded and oppressed are unable to perform their functions the

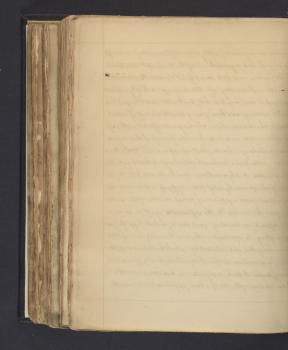


countenence at the same time is mottled, the cheeks have a circum wiled flash together with some mixture of lividness, the eyes are prominent and inflamed the pupil is widely delated and the expression of the countenance wild and haggard the respiration is now exceedingly laborious with a full and disturbed pulse -The child sinking under the diserse the respiration becomes more tranquel, with a rocah and irregular circulation. The disease in every respect is Portmeumonia Northa, and must be treated accor singly. The indication in the first place is to relieve the lungs and to establish a free and equable circulation. To accomplish this purpose, the child should be placed in the warm both, and while it is in this situation, copious vomiting should be excited by active stimulating emotics, as Sulphate of yine and if this is not at hand tartanised antimony. As seen as the pulse will Justify the remedy, we should have recourse to venescetion, drawing a little blood at a time, suppressing the flow and watching the effect on the system. If you find the first bleeding beneficial, recur to it again from time to time untill your rises in this respect are accomplished, the necessity of such ex-- trone circumspection in the use of the lancet in this case

vises from so much blood being taken out of the circulation and confined in a half stagnant condition in the lungs so that a small portion suddenly detracted from the system, by the operations sensection might reduce the oystem below the point of reaction and there induce immediate death. but as in the case of Parisneumonia Notha, whose we cannot at all employ the lancetive may substitute in its place topical deptetion from the chest by bups or leeches. This remedy is of unquestionable advantage As cooperating with the previous remedies, a blister should be applied over the whole of the chest but if the case is so ungent senot to allow time for the drawing of the blister, some means of a more speedy vesication should be substituted, as clothes rung out of baling water, or pled gets of lint dift in tendere of Carehan ses with spirits of turpentine. The subsequent treatment consits in the use of expectorants and of these antimonial wine toymel or vinegar of squills, a decection of Lonego either alone or in combination will answer exceedingly well. Much may be infected at this stage of the disease from the liberal inhibition of calomal . Some of the Edinburgh practitioners manage Crowp from expaly with Calonal, the dose is immonse and almost incredible

wimust bear in mind that the susceptibility of the oystem tore medial imprepious is greatly dominished. here if the lancet had been wood the susceptibility of the oystem would have bun awahend & much smaller does of beloved would have andoored equally well. Dr Hamilton profesor of midwfery in the union sity of Edinburgh is a strong a divate for the use of the submiriste of mercury in broup. Hotells us in every case, where he has ad newstered it previous to the occurrence of the bridge of the lips, and other mortal symptoms he has completely succeeded in curing the desease . His mide of employing it is having previously but the child into a tub of hot water heated to the minety sixth degree of Tahrenheits, thermometer or wrapt up in a blanker may out of hot water. to give it a dove of from one to five grains according to the age every hour tell the breathing is cordently relieved when it is gradually discontinued allowing at first twosther three, and finally four or five hours, Is intersone be-Twen each dove, according to the state of the symptoms, the submurate of morary is no doubt usoful in brough but the property mode of using it to the exclusion of other remedies . such as blesding both generally and to pecally emeties of we cannot recommand

The disease among usis infinitely more inflammatory, more rapid in its progress, and requires the energetic treatment mentioned above. It has been and still is in a great measure the common open ion that the inflammatory affection in Croup, is chiefly confined to the tracker and bronchia. but Drs Baillie and Cheynes have sported the contrary and have given a minute account of several is fections of this diseases wherein the lungs were affected with deep sected inflammation and obvious from the firmness of these organs. from not collapsing, when the chest was exposed and from a kind of purulent matter found in the cells of the lungs. When broup ten minates in health, it is by a resolution of the inflammation by a repetion of the spasms by relief to the dysproca and the vace be roming natural, with a copious and free expectoration of the matter existing from the tracked Ho. The unforwable symptoms are consi derable difficulty in breathing, great anxiety, violent fover frequent fits of coughing . no expectoration . the voice becoming more shill & the pulse irregular and intermelling. Much has been said of the existence of a membrane in the Larynx which is supposed to be The cause of death. So much consequence has been attached to this membrane that an operation has been performed for its removal.



That such a membrane occasionally exists there can be no doubt though it is exceedingly rare. Let Physich has a preparation of this mombrane, which shows it in its perfect state, and its extreme is when the membrane does exist we do not know that an operation would be of any advantage. the disease does not depond on this a wouldloors production. There is great obstruction in the rame peations of the bronchia and the lungs are alain a very depressed & disordered condition. even if the membrane were removed Therefore we would not romove the complaint, at all ovents we should only pulliate it. Two causes have concurred to ronder broup more fatat than it otherwise should been. It is a very popular opin ion that children, owing to extreme delicary of constitution cannot bear any very vigorous impression of remedies, the common practice is very inert. The two causes rondering broup more fatal than it should be are an errorious idea as respects its pathology of the tuble mode of its management. Children have been found alive at the breast of their mothers who had died from exposure tocold they resert contagion botter than adults v reover with protocose from attacks of contagious and other disorders they also sustain very well the operation of active remedies as

comiting purging according blackon to the lop of blood, During the growth of the brody the perspection of the fluids tethal of the solis is or than the method the system has attained to full sign. This full sup of the bloodreffels render children particularly leadles to inflammatory attacks I nearly all of their complaints portable of their character I have they sie of the block block

